

## OEHHA Hearing on Glyphosate

My name is Michelle Ford. I am a mother of children with health issues and I am asking for your help in protecting them.

Due to the overwhelming evidence of harm from glyphosate, I am asking for the CAL EPA to declare a NO safe level of glyphosate.

I also ask that you include the scientific evidence from Seralini's team which shows that glyphosate herbicides, specifically Roundup, the most widely used herbicide in the world, is an endocrine disruptor. Your assessment of a no significant risk level is unscientific and incomplete without factoring in this impact because endocrine disruption, which impacts hormones can lead to multiple forms of cancer such as Thyroid cancer, lymph node cancer, breast cancer, prostate and reproductive cancers.

Endocrine disruption means that a nano exposure of glyphosate at a certain time of fetal development can harm or halt the development of a fetus. This makes the idea of "dose makes the poison" completely irrelevant. That is why some people who want to continue the use of glyphosate will want to dismiss endocrine disruption studies.

As a mother who has witness many peers experience infertility and know of many who have lost an infant for unexplained reasons, and children to cancer, I know that taking the step of declaring a no safe level of glyphosate will be a crucial step to prevent further tragic loss.

Thank you

## Sources

Published in International Journal of Environmental Research and Public Health:

**Co-Formulants in Glyphosate-Based Herbicides Disrupt Aromatase Activity in Human Cells below Toxic Levels** (2016) DOI:10.3390/ijerph13030264

The authors : Nicolas Defarge, Eszter Takacs, Veronica Laura Lozano, Robin Mesnage, Joel Spiroux de Vendomois, Gilles-Eric Seralini and Andras Szekacs

<http://www.criigen.org/communique/102/display/Les-co-formulants-des-herbicides-a-base-de-glyphosate-sont-des-perturbateurs-endocriniens->

Roundup and Birth Defects; Is the public being kept in the dark? Earth Open Source June 2011, Antoniou, Habib, Howard, Jennings, Leifery, Nodari, Robinson, Fagan

And Glyphosate-based herbicides are toxic and endocrine disruptors in human cell lines. Toxicology 262 (2009) 184–191; Carla L. Barberis , Cecilia S. Carranza , Stella M. Chiacchiera & Carina E. Magnoli (2013)

Time and Dose Dependant Effects of Roundup on Human Embryonic and Placenta Cells; Benchour, Sipahutar, Moslemi, Gasnier, Traver, Seralini. Archives of Environmental Contamination and Toxicology

Roundup disrupts male reproductive functions by triggering calcium-mediated cell death in rat testis and Sertoli cells Vera Lúcia de Liz Oliveira Cavallia et al. Elsevier Journal